

1.1 Summary

- The report covers the urban rail market of **25** countries. The projects selected in these countries together will, in the future, add a network of **over xxx km**, add **over xxx** stations and require an estimated investment of over **USDxxx billion**.
- Of the total projects for which completion dates are available, a total of **xxx** projects, spanning over **xxx km**, are expected to be developed and modernised by 2025; **xxx** projects spanning over **xxx km** are planned to be operationalised and modernised during 2026-2030; and **xxx** projects spanning over **xxx km** will be developed and modernised beyond 2030.
- Of the upcoming length, the majority is **under planning** (over xxx km), followed by **under construction** (over xxx km).

Countries covered in this report



2.1 Recent developments and trends shaping the future of these markets

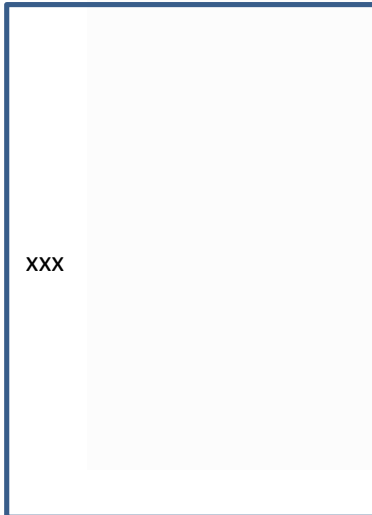
North America – steady development supported by government funding



Europe – focus on hybridisation of rolling stock



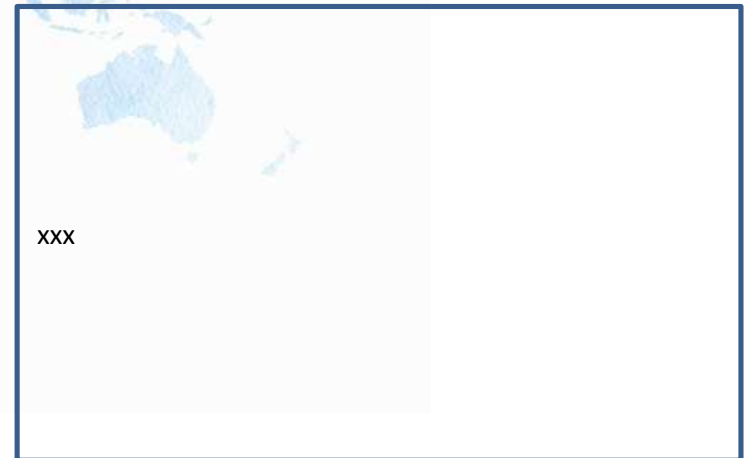
Latin America – focus on metro rail projects



Middle East and Africa – slow development of rail projects



Asia Pacific – focus on green mobility and alternative fuel deployment



3.1 Expected growth in urban rail network



Xxx projects

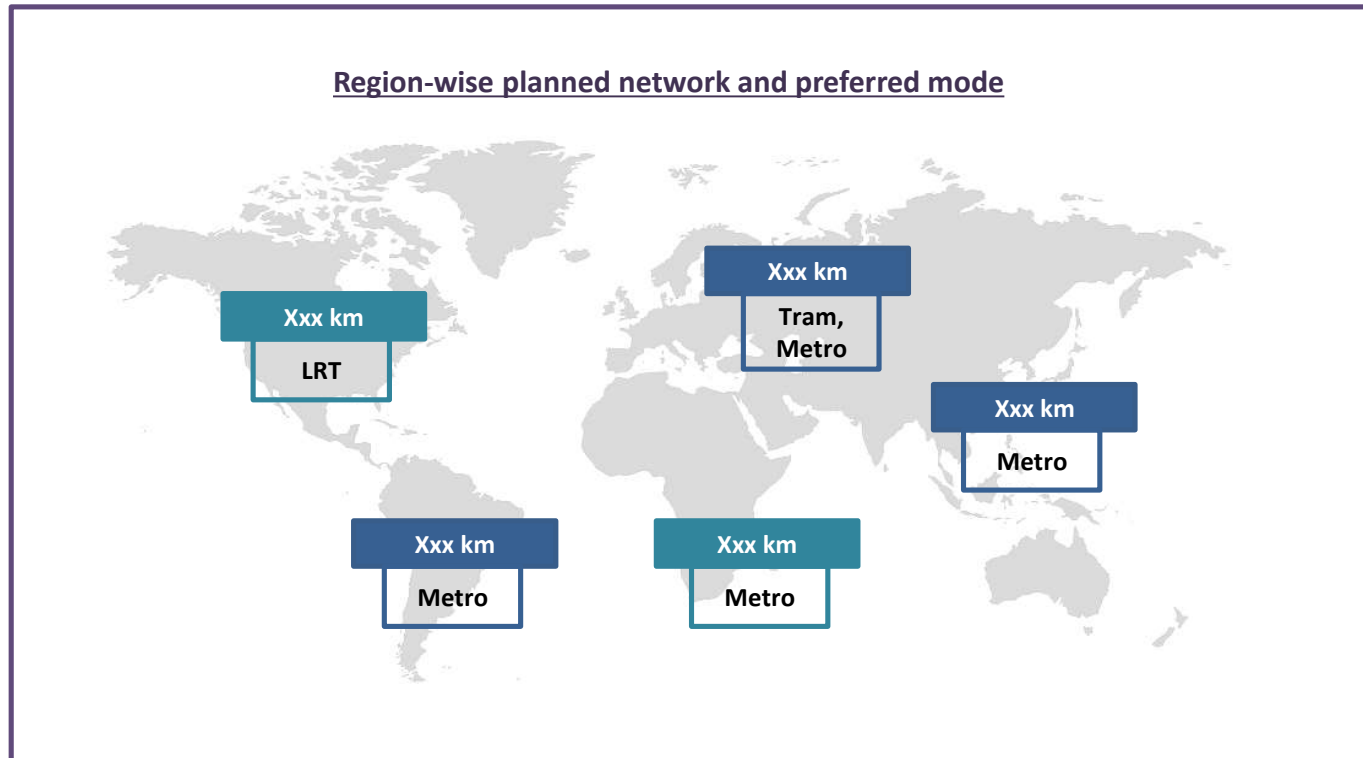


xxx+ km

The report cover xx projects across xxx countries, which involves a total investment of USDxxx billion. Of this:

- xxx has the maximum planned network addition , number of projects and investment.
- Metro system is the most preferred mode in Asia Pacific because the region has high-densely populated cities.

Region-wise planned network and preferred mode



Note: The box below planned network length in the graph represent the most preferred mode in the region, i.e. majority of the planned project are being/ will be developed in that mode

4.2 Expected investment in network expansion and modernisation

An estimated USDxxx billion is planned to be invested globally in network expansion. Majority of these investments are in the North America region.

- Depending upon the type of project, the construction cost as a percentage of the total project cost (TPC) ranges between xx–xx%.
- An estimated **USDxxx billion to USDxxx billion** is planned to be invested in the construction of extensions and project modernisation.

Region-wise planned investment in construction of extensions and project modernisation



Key projects in high growth markets

Amongst all the key projects in the high growth markets across 25 countries in the world, the xxx in xxx is being developed with the highest investment. All the top 10 systems being developed with the highest investment are metrorail systems. The Asia Pacific region contains the majority of the top 10 systems currently under development.

North America – United States

City	Length (km)	Investment (USD billion)	Expected Opening
xxx	xxx	xxx	xxx

Europe - France

Project	Length (km)	Investment (USD billion)	Expected Opening
xxx	xxx	xxx	xxx

Asia Pacific – China, Australia, and India

Project	Length (km)	Investment (USD billion)	Expected Opening
xxx	xxx	xxx	xxx
xxx	xxx	xxx	xxx
xxx	xxx	xxx	xxx
xxx	xxx	xxx	xxx
xxx	xxx	xxx	xxx
xxx	xxx	xxx	xxx
xxx	xxx	xxx	xxx

Middle East and Africa - Israel

Project	Length(km)	Investment (USD billion)	Expected Opening
xxx	xxx	xxx	xxx

Note: The projects were selected on the basis of highest investment across all 25 countries. The projects have multiple sections or phases, so the lengths and costs have been combined. The final date of full operation of all sections or phases has been considered.

Introduction

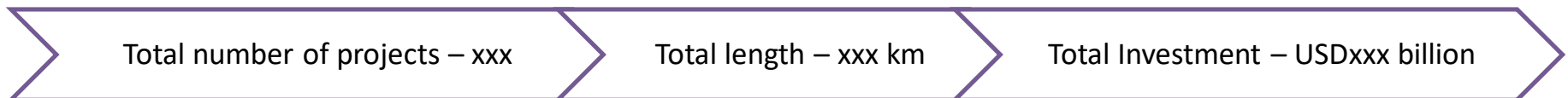
Overview

The urban rail transport system in France comprises of metrorail transit systems, airport rail link (ARL), and light rail transit system (LRT) including trams, and tram-trains.

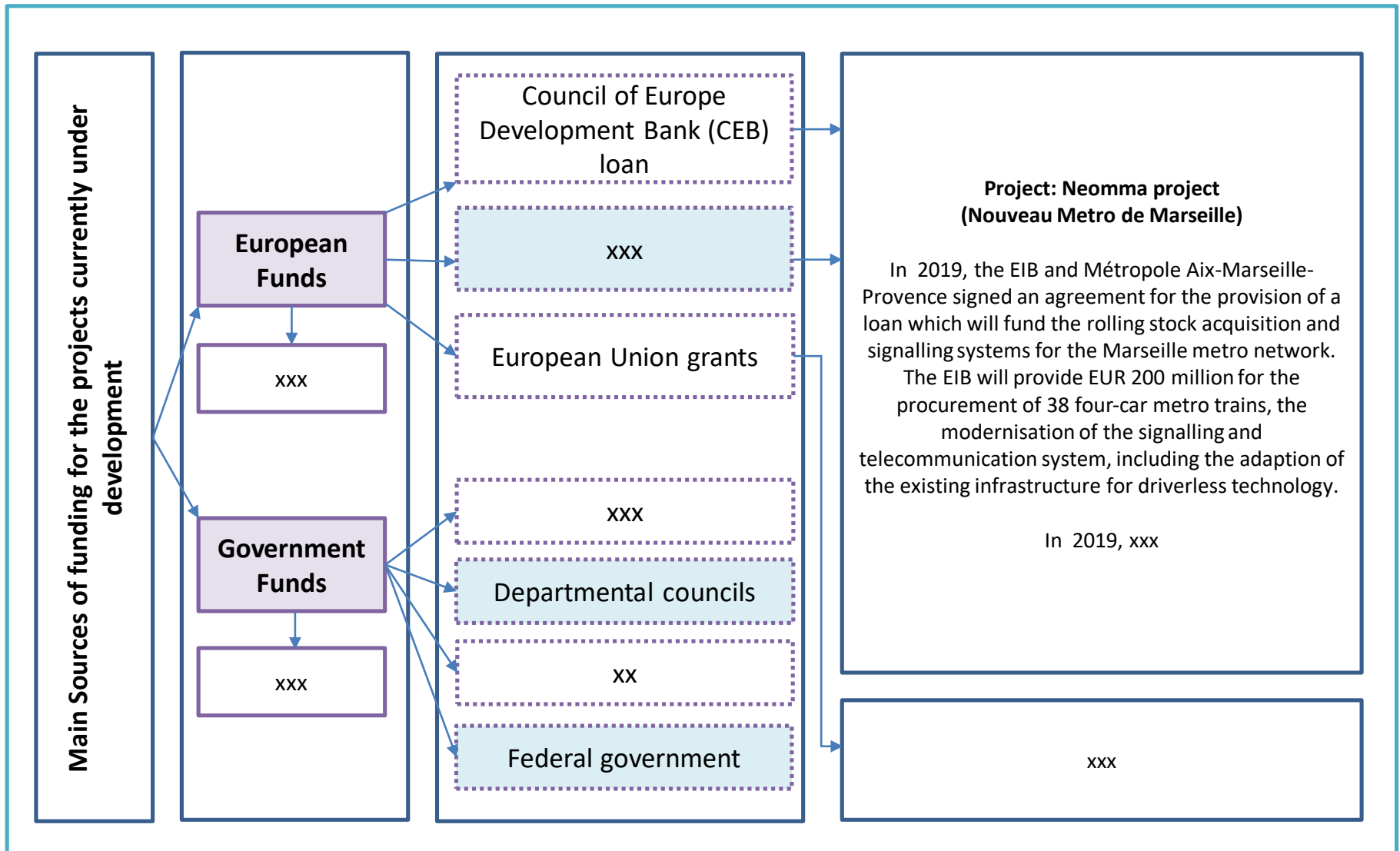
Key developers and operators of upcoming projects in France

xxx	xxx	xxx	xxx
xxx	xxx	xxx	xxx
xxx	xxx	xxx	xxx
xxx	xxx	xxx	xxx
xxx	xxx	xxx	xxx

Projects currently under development



Key Financing Trends



Industry and regulatory structure

Ministry for the Ecological Transition

xxx



Regional government and transport authorities

There are clusters of districts and cities that together form a region within the nation. There are xxx regions in France. The regional government and public transport authority control and coordinates the different transport companies operating in the region.

xxx

Intercommunal government and transport authorities

The urban rail transit systems of the country are under the direct ownership of the intercommunal government or transport authorities. Most of the urban rail projects are developed directly by the concerned intercommunal government or transport authority for the areas involved.

Eg. xxx

Eg. xxx

Key projects

Key projects

Project	City	Length in km	Stations	Investment In USD million	Current status	Expected completion
XXX	XXX	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	XXX	XXX
XXX	XXX	XXX	XXX	XXX	XXX	XXX

Emerging opportunities (1/2)

Rolling stock

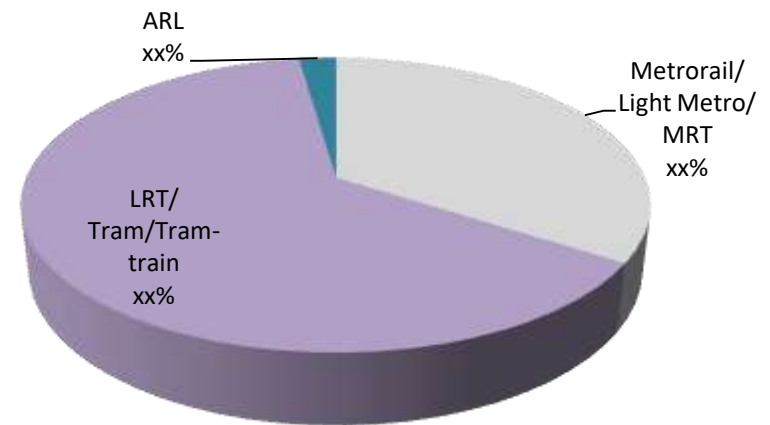
Out of the xxx projects currently in development, the rolling stock suppliers for xxx projects are yet to be announced. Out of these xxx projects, the rolling stock investment has been specified for only xxx projects and all these projects are listed in the following table.

Projects with contracts to be awarded	
xxx	xxx
xxx	xxx
xxx	xxx
xxx	xxx
xxx	xxx
xxx	xxx
xxx	xxx
xxx	xxx
xxx	xxx
Projects with investment specification	
Project	Investment specification
xxx	xxx
xxx	xxx
xxx	xxx
xxx	xxx
xxx	xxx

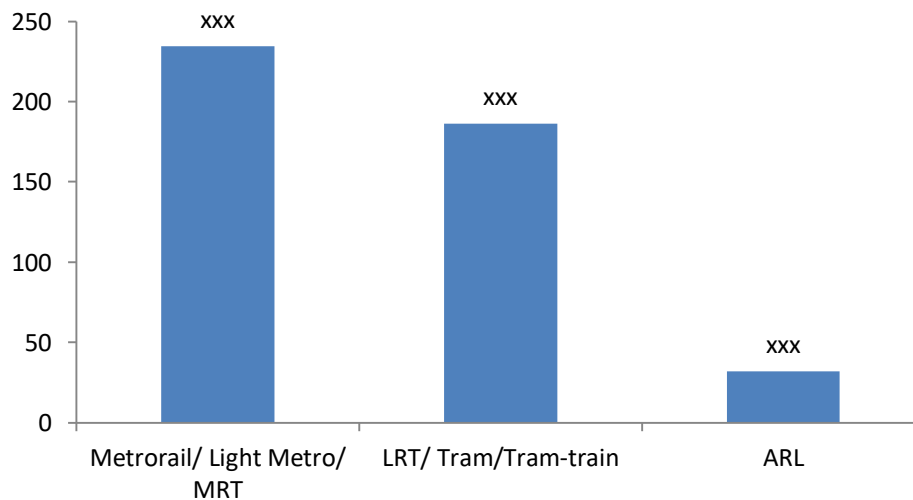
Analysis of upcoming projects by type

- The report covers xxx upcoming urban rail projects planned to be developed in France, which will together span xxx km and cover over xxx stations. These will be developed an an estimated investment of USDxxx billion.
- The majority of the upcoming developments are planned in the light rail transit (LRT) systems. Around xxx% of the total projects will be metrorail projects, and xxx% will be LRT/tram/tram-train systems.

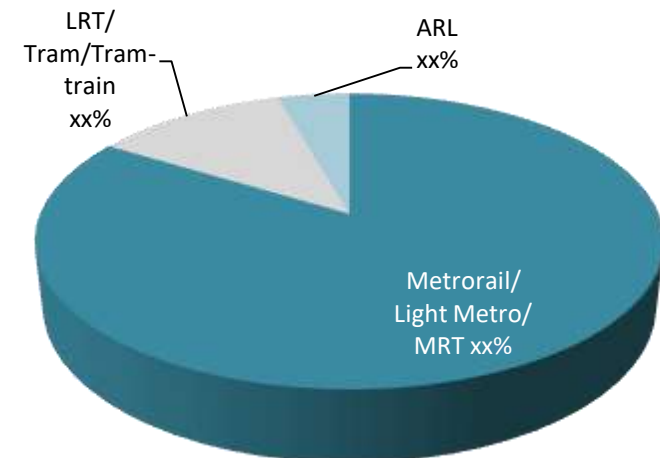
Mode-wise share of no. of projects



Mode-wise length of projects (km)

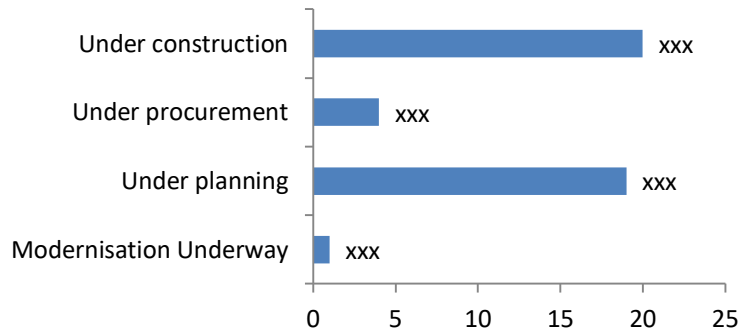


Mode-wise share of investment in upcoming projects



Analysis of upcoming projects by status

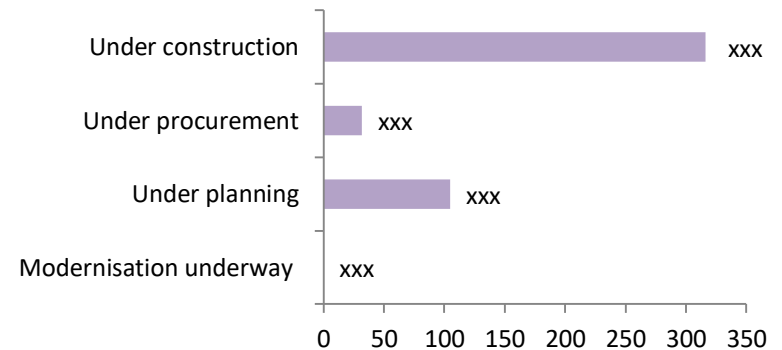
Distribution of number of projects by status



Of the xxx projects, xxx% are under planning, xxx% are under procurement, and xxx% are under construction and xxx% are in the modernization underway phase. The majority of projects are in the construction phase, followed by projects in the planning phase.

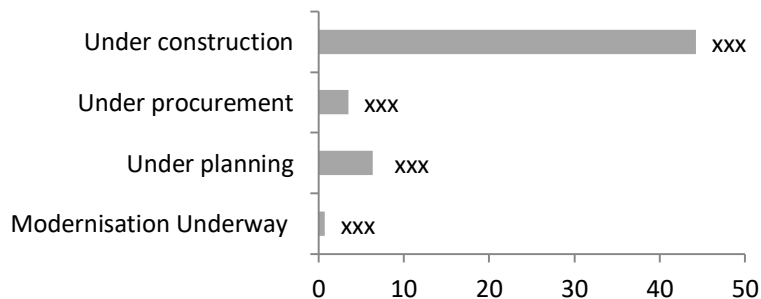
The xxx upcoming projects collectively cover more than xxx km. The projects under construction together span more than xxx km, which accounts for around xxx% of the total length. This is followed by projects under planning, which accounts for around xxx% of the total length.

Distribution of length of projects by status (km)



More than USDxxx billion is planned to be invested in public transport infrastructure. Of this, around xxx% of the investments will be in the projects under the planning stage and around xxx% will be in the projects under construction.

Distribution of cost of projects by status (USD billion)



Risks and challenges

Impact of COVID-19



xxx



xxx



xxx



xxx



xxx

- In March 2020, xxx
- In May 2020, xxx
- By June 2020, xxxx

General market risks

Construction delays and cost escalations

xxx

Regulatory hurdles in project approvals

xxx

Government emphasis on other transport projects

xxx

Outlook

Current project outlook

xxx

xxx

xxx

Looking ahead

xxx